

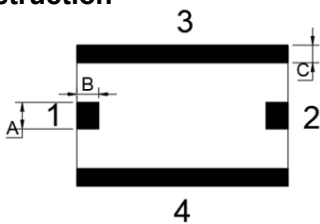
Features

- Multilayer monolithic construction yields high reliability
- Low insertion loss and small size SMD chip design
- Can simplify your complex tuning and circuit design
- LTCC process

Specifications

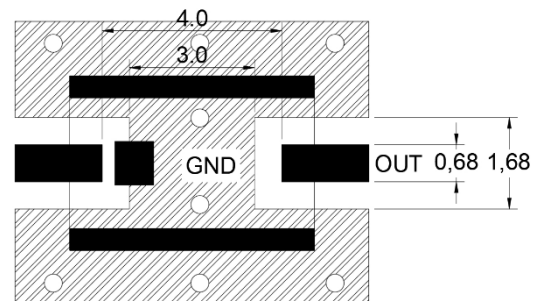
| NO. | Parameter | Specifications | Unit |
|--|-----------------------|--|------|
| 1 | Center Frequency (f0) | 3150 | MHz |
| 2 | Band Width | 2800-3500 | MHz |
| 3 | Insertion Loss | ≤2.75 (Typical) | dB |
| 4 | VSWR | 2.0 max. | - |
| 5 | Attenuation | ≥50@10~2200 MHz ≥40@2200~2400 MHz ≥30@2400~2500 MHz ≥30@3800~3900 MHz ≥40@3900~4000 MHz ≥50@4000-6000 MHz | dB |
| 6 | In/Output Impedance | 50 | (Ω) |
| 7 | Input RF Power | 2.0 max. | W |
| Operating & Storage Condition (Component) Operation Temperature Range: -40°C ~ +85°C Storage Temperature Range: -40°C~ +85°C | | | |
| Storage Condition before Soldering (Included packaging material) Storage Temperature Range: +5 ~ +40 °C Humidity: 30 to 70% relative humidity | | | |

Construction



| PIN | Connection |
|-----|-------------|
| 1 | Input port |
| 2 | Output port |
| 3 | GND |
| 4 | GND |

Mounting Considerations



Unit: mm

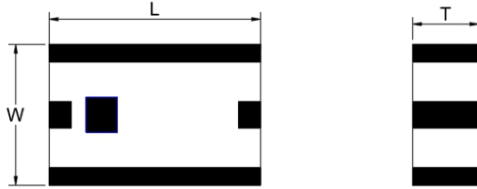

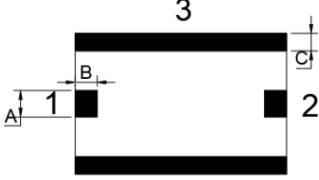
Yantel Corporation

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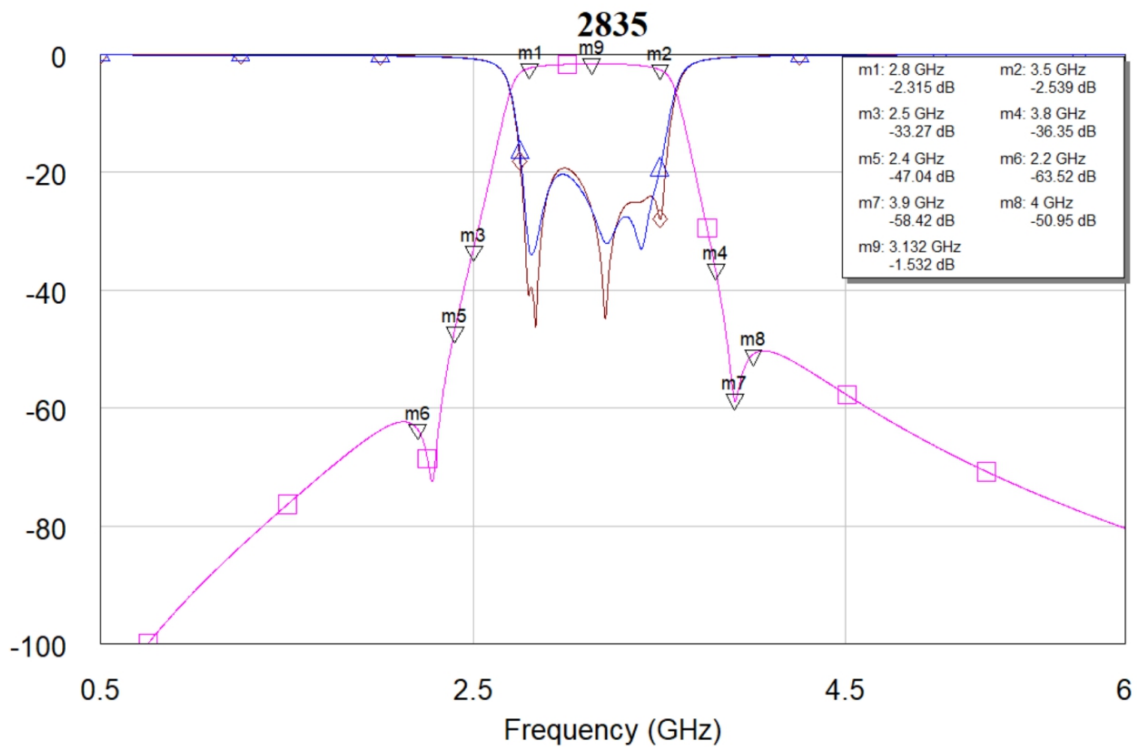
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Dimensions

| Figure | Symbol | Dimension (mm) |
|---|--------|----------------|
|  | L | 5.00 ± 0.20 |
| | W | 3.20 ± 0.20 |
|  | T | 1.50 ± 0.20 |
| | A | 0.60 ± 0.10 |
|  | B | 0.50 ± 0.10 |
| | C | 0.40 ± 0.10 |

Typical Electrical Characteristics (T=25°C)



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